VLDB 2017
43rd International Conference on Very Large Data Bases

Meta-Reviews For Paper

Track	Research -> July 2016
Paper ID	278
Title	A General and Parallel Platform for Mining Co-Movement Patterns over Large-scale Trajectories

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Masked Meta-Reviewer ID: Meta_Reviewer_1

Meta-Reviews:

Question	
Overall Rating	Revise
Summary Comments	The reviewers agree that this is a thorough and carefully written paper with good experimental results. However, the reviewers raise some concerns that the authors need to address in a revised version of the paper. The revision should address all the points presented in Revision Items below.
Revision Items	1- Novelty: The GCMP generalization is not particularly novel. Please elaborate on the novelty of the work. 2- Parameter setting: Are we really interested in all sets of movements beyond a cardinality of size M? Please elaborate on the motivation. 3- Spark implementation: the paper references Spark as the implementation platform but the algorithm is limited to MapReduce. Spark has capabilities beyond MapReduce such as window functions. Please provide an implementation that uses the relevant features of Spark, or a convincing discussion of how these features can be useful and why they were not used. 4- More details in the performance evaluation: Please provide more details about data partitioning and the effect of skew. Also provide details about how star partitioning and a priori pruning contribute to performance. Please provide references to these two methods.